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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Revision 1 to Document 28(Add.1)-E** |
|  | **13 October 2015** |
|  | **Original: English** |
|  | |
| African Common Proposals | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 1.1 | |

1.1 to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC‑12)**;

ARTICLE 5

Frequency allocations

Section IV – Table of Frequency Allocations  
(See No. 2.1)

# 1) Band Number 1: 470-694 MHz

NOC AFCP/28A1/1

460-890 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 470-790  BROADCASTING  5.149 5.291A 5.294 5.296  5.300 5.304 5.306 5.311A 5.312 5.312A | 470-512  BROADCASTING  Fixed  Mobile  5.292 5.293 | 470-585  FIXED  MOBILE  BROADCASTING  5.291 5.298 |
| 512-608  BROADCASTING  5.297 |
| 585-610  FIXED  MOBILE  BROADCASTING  RADIONAVIGATION  5.149 5.305 5.306 5.307 |
| 608-614  RADIO ASTRONOMY  Mobile-satellite except aeronautical mobile-satellite (Earth-to-space) |
| 610-890  FIXED  MOBILE 5.313A 5.317A  BROADCASTING |
| 614-698  BROADCASTING  Fixed  Mobile  5.293 5.309 5.311A |
| … |
| … |
|  |  | 5.149 5.305 5.306 5.307 5.311A 5.320 |

**Reasons:**

1) ITU studies show that co-channel in same area sharing is not feasible this band.

2) Coordination between neighbouring countries, in case one deploys IMT and another BC, will be extremely difficult (needs distance of up to 427 km from the border in some cases).

3) This band is heavily planned to be used by DTT in the majority of Region 1 countries.

NOTE – This proposal only applies to frequency range 470-694 MHz. See proposals under agenda item 1.2 for the frequency range 694-790 MHz.

# 2) Band Number 2: 1 350-1 400 MHz

MOD AFCP/28A1/2

1 300-1 525 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| **1 350-1 400**  FIXED  MOBILE ADD 5.A11  RADIOLOCATION  5.149 5.338 5.338A 5.339 | **1 350-1 400**  RADIOLOCATION 5.338A  5.149 5.334 5.339 | |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 350-1 400 MHz.

ADD AFCP/28A1/3

5.A11 *Additional allocation:*  in [*country names*], the frequency band 1 350-1 400 MHz is allocated to the mobile, except aeronautical mobile, service on a primary basis and is also identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. Such use is subject to the application of Resolution **750 (Rev.WRC‑15)**.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 3) Band Number 3: 1 427-1 452 MHz

MOD AFCP/28A1/4

1 300-1 525 MHz

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| --- | --- | --- | --- |
| Allocation to services | | | |
| Region 1 | Region 2 | | Region 3 |
| **1 427-1 429** SPACE OPERATION (Earth-to-space)  FIXED  MOBILE except aeronautical mobile ADD 5.B11  5.338A 5.341 | | | |
| **1 429-1 452**  FIXED  MOBILE except aeronautical mobile ADD 5.B11  5.338A 5.341 5.342 | | **1 429-1 452**  FIXED  MOBILE 5.343  5.338A 5.341 | |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 427-1 452 MHz.

ADD AFCP/28A1/5

5.B11 [In *Regions/country names*], the frequency band 1 427-1 452 MHz is identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. Such use is subject to the application of Resolution **750 (Rev.WRC‑15)**,which includes conditions of use, as appropriate.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 4) Band Number 4: 1 452-1 492 MHz

MOD AFCP/28A1/6

1 300-1 525 MHz

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| --- | --- | --- | --- |
| Allocation to services | | | |
| Region 1 | Region 2 | | Region 3 |
| **1 452-1 492**  FIXED  MOBILE except aeronautical mobile ADD 5.C11  BROADCASTING  BROADCASTING-SATELLITE 5.208B  5.341 5.342 5.345 | | **1 452-1 492**  FIXED  MOBILE 5.343  BROADCASTING  BROADCASTING-SATELLITE 5.208B  5.341 5.344 5.345 | |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 452-1 492 MHz.

ADD AFCP/28A1/7

5.C11 [In *Regions/country names*], the frequency bands 1 452-1 492MHz, or portions of those frequency bands, are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 5) Band Number 5: 1 492-1 518 MHz

MOD AFCP/28A1/8

1 300-1 525 MHz

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| --- | --- | --- | --- | --- |
| Allocation to services | | | | |
| Region 1 | Region 2 | | Region 3 | |
| **1 492-1 518**  FIXED  MOBILE except aeronautical mobile ADD 5.D11  5.341 5.342 | | **1 492-1 518**  FIXED  MOBILE 5.343  5.341 5.344 | | **1 492-1 518**  FIXED  MOBILE  5.341 |

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

NOTE – This proposal only applies to frequency range 1 492-1 518 MHz.

ADD AFCP/28A1/9

5.D11 [In *Regions/country names*], the frequency bands 1 492-1 518 MHz, or portions of those frequency bands, are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations.     (WRC‑15)

**Reasons:** To allow for optimum use of the band and support continued growth of IMT.

# 6) Band Number 6: 1 518-1 525 MHz

NOC AFCP/28A1/10

1 300-1 525 MHz

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| --- | --- | --- | --- | --- |
| Allocation to services | | | | |
| Region 1 | Region 2 | | Region 3 | |
| 1 518-1 525  FIXED  MOBILE except aeronautical mobile  MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A  5.341 5.342 | | 1 518-1 525  FIXED  MOBILE 5.343  MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A  5.341 5.344 | | 1 518-1 525  FIXED  MOBILE  MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A  5.341 |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 1 518-1 525 MHz.

# 7) Band Number 7: 1 695-1 710 MHz

NOC AFCP/28A1/11

1 660-1 710 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 1 690-1 700  METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth)  Fixed  Mobile except aeronautical mobile | 1 690-1 700  METEOROLOGICAL AIDS  METEOROLOGICAL-SATELLITE (space-to-Earth) | |
| 5.289 5.341 5.382 | 5.289 5.341 5.381 | |
| 1 700-1 710  FIXED  METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile | | 1 700-1 710  FIXED  METEOROLOGICAL-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile |
| 5.289 5.341 | | 5.289 5.341 5.384 |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 1 695-1 710 MHz.

# 8) Band Number 11: 3 600-3 700 MHz

NOC AFCP/28A1/12

2 700-4 800 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| **…** | **3 500-3 700**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation 5.433 | **3 500-3 600**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile 5.433A  Radiolocation 5.433 |
| **3 600-4 200**  FIXED  FIXED-SATELLITE (space-to-Earth)  Mobile | **3 600-3 700**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation  5.435 |
|  | **3 700-4 200**  FIXED  FIXED-SATELLITE (space to-Earth)  MOBILE except aeronautical mobile | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 3 600-3 700 MHz.

# 9) Band Number 12: 3 700-3 800 MHz

NOC AFCP/28A1/13

2 700-4 800 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| **…** | 3 500-3 700  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation 5.433 | **3 500-3 600**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile 5.433A  Radiolocation 5.433 |
| **3 600-4 200**  FIXED  FIXED-SATELLITE (space-to-Earth)  Mobile | **3 600-3 700**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation  5.435 |
|  | **3 700-4 200**  FIXED  FIXED-SATELLITE (space to-Earth)  MOBILE except aeronautical mobile | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 3 700-3 800 MHz.

# 10) Band Number 13: 3 800-4 200 MHz

NOC AFCP/28A1/14

2 700-4 800 MHz

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| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| **…** | **3 500-3 700**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation 5.433 | **3 500-3 600**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile 5.433A  Radiolocation 5.433 |
| **3 600-4 200**  FIXED  FIXED-SATELLITE (space-to-Earth)  Mobile | **3 600-3 700**  FIXED  FIXED-SATELLITE (space-to-Earth)  MOBILE except aeronautical mobile  Radiolocation  5.435 |
|  | **3 700-4 200**  FIXED  FIXED-SATELLITE (space to-Earth)  MOBILE except aeronautical mobile | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 3 800-4 200 MHz.

# 11) Band Number 14: 4 400-4 500 MHz

NOC AFCP/28A1/15

2 700-4 800 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 4 400-4 500FIXED  MOBILE 5.440A | | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 4 400-4 500 MHz.

# 12) Band Number 15: 4 500-4 800 MHz

NOC AFCP/28A1/16

2 700-4 800 MHz

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| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 4 500-4 800 FIXED  FIXED-SATELLITE (space-to-Earth) 5.441  MOBILE 5.440A | | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 4 500-4 800 MHz.

# 13) Band Number 17: 5 350-5 470 MHz

NOC AFCP/28A1/17

4 800-5 570 MHz

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| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 5 350-5 460 EARTH EXPLORATION-SATELLITE (active) 5.448B  RADIOLOCATION 5.448D  AERONAUTICAL RADIONAVIGATION 5.449  SPACE RESEARCH (active) 5.448C | | |
| 5 460-5 470 EARTH EXPLORATION-SATELLITE (active)  RADIOLOCATION 5.448D  RADIONAVIGATION 5.449  SPACE RESEARCH (active)  5.448B | | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 5 350-5 470 MHz.

# 14) Band Number 18: 5 725-5 850 MHz

NOC AFCP/28A1/18

5 570-7 250 MHz

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| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 5 725-5 830  FIXED-SATELLITE (Earth-to-space)  RADIOLOCATION  Amateur | 5 725-5 830  RADIOLOCATION  Amateur | |
| 5.150 5.451 5.453 5.455 5.456 | 5.150 5.453 5.455 | |
| 5 830-5 850  FIXED-SATELLITE (Earth-to-space)  RADIOLOCATION  Amateur  Amateur-satellite (space-to-Earth) | 5 830-5 850  RADIOLOCATION  Amateur  Amateur-satellite (space-to-Earth) | |
| 5.150 5.451 5.453 5.455 5.456 | 5.150 5.453 5.455 | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 5 725-5 850 MHz.

# 15) Band Number 19: 5 925-6 425 MHz

NOC AFCP/28A1/19

5 570-7 250 MHz

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| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 5 925-6 700 FIXED 5.457  FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B  MOBILE 5.457C  5.149 5.440 5.458 | | |

**Reasons:** To protect existing services.

NOTE – This proposal only applies to frequency range 5 925-6 425 MHz.

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